

Fig. 1

4

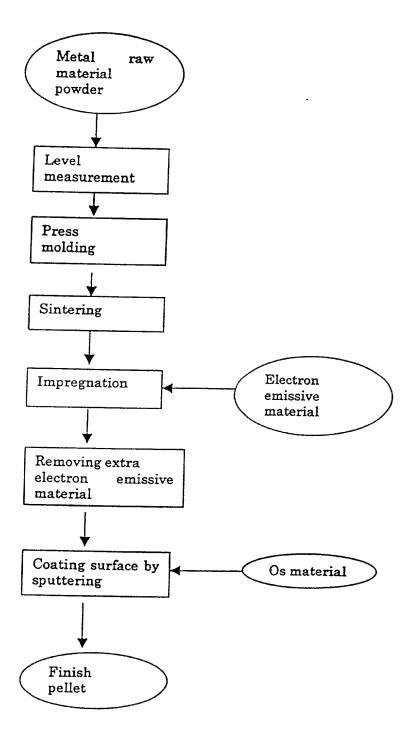


Fig. 2

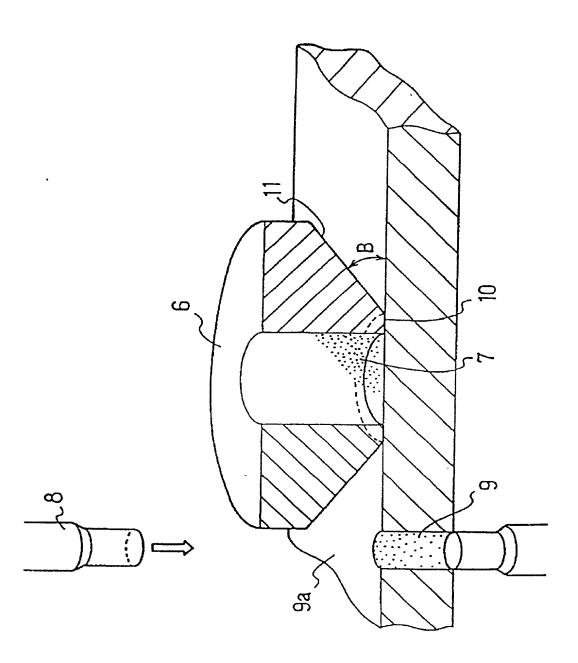


Fig. 3

## Amount of evaporation of electron emissive material (relative value)

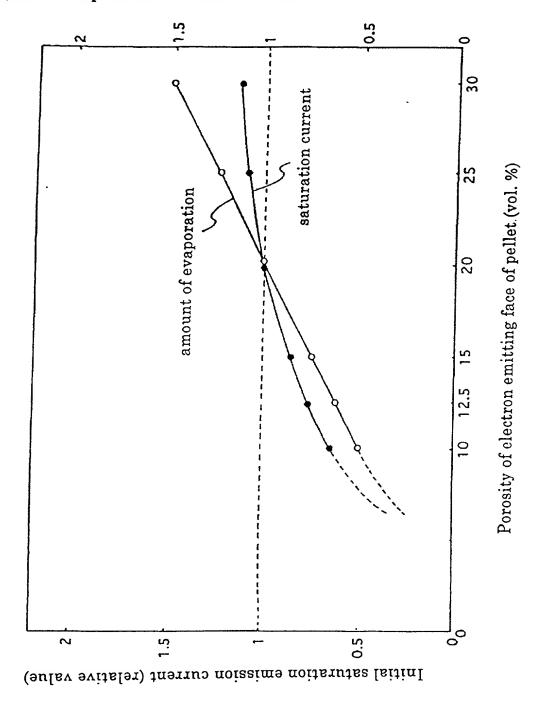
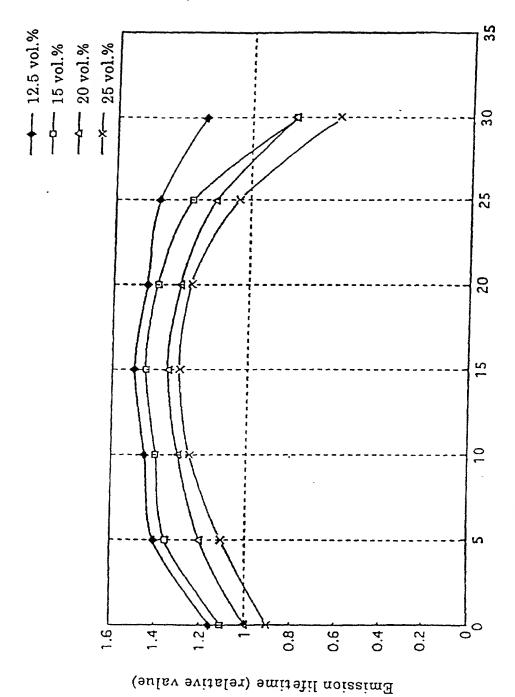


Fig. 4



Porosity difference between the opposite side and electron emitting face (vol. %)

Fig. 5

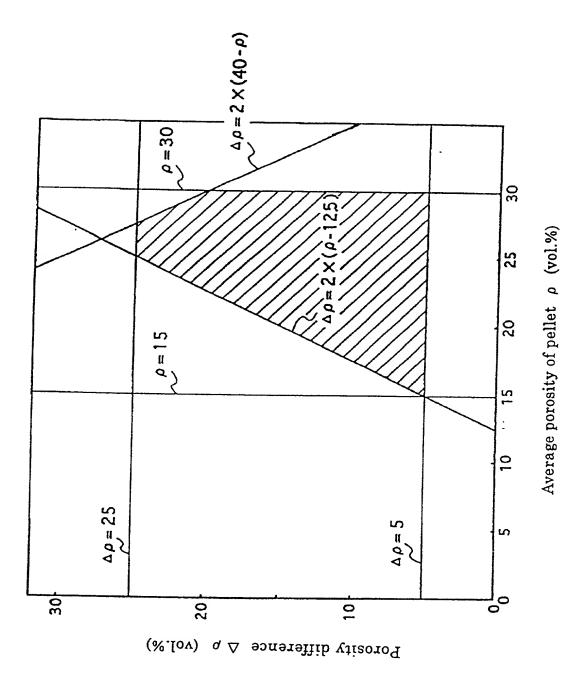
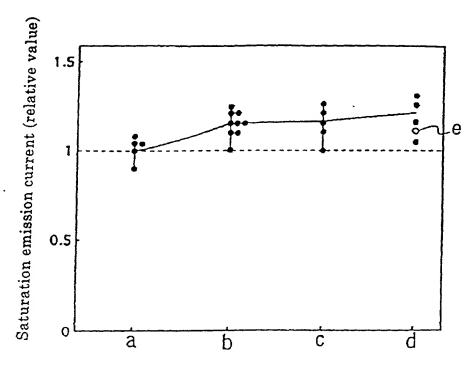
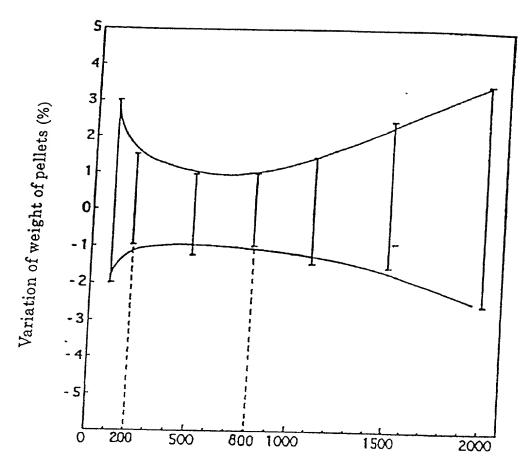


Fig. 6



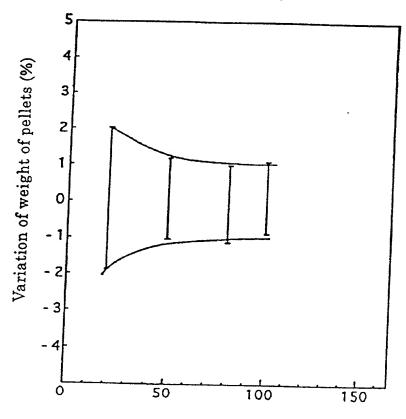
Surface roughness of electron . emitting face of pellet ( $\mu$  m)

Fig. 7



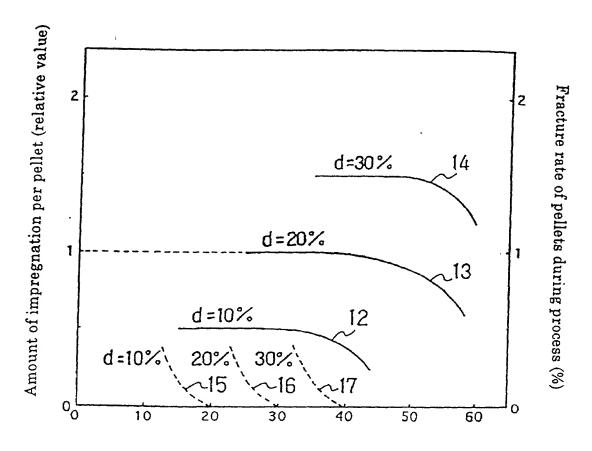
Filling amount (number of pellets)

Fig. 8



Heating temperature of raw material powder (°C)

Fig. 9



Porosity after press molding D (vol.%)

Fig. 10

## Average porosity after sintering d (vol.%)

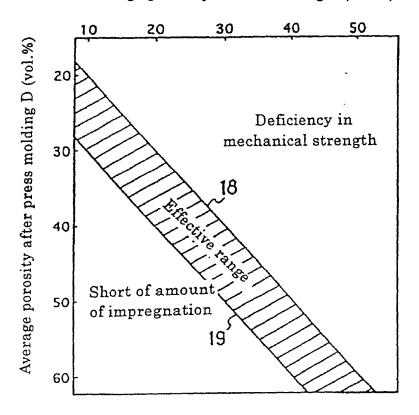
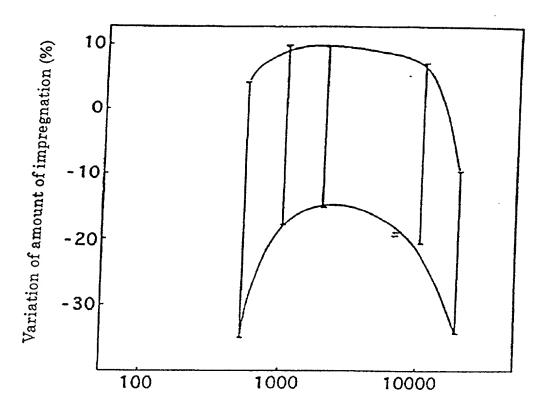


Fig. 11



Filling amount (times)

Fig. 12

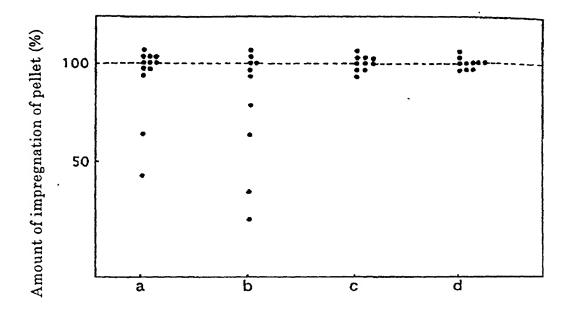


Fig. 13 (A)

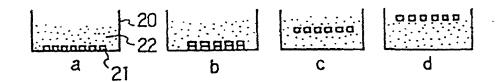


Fig. 13 (B)

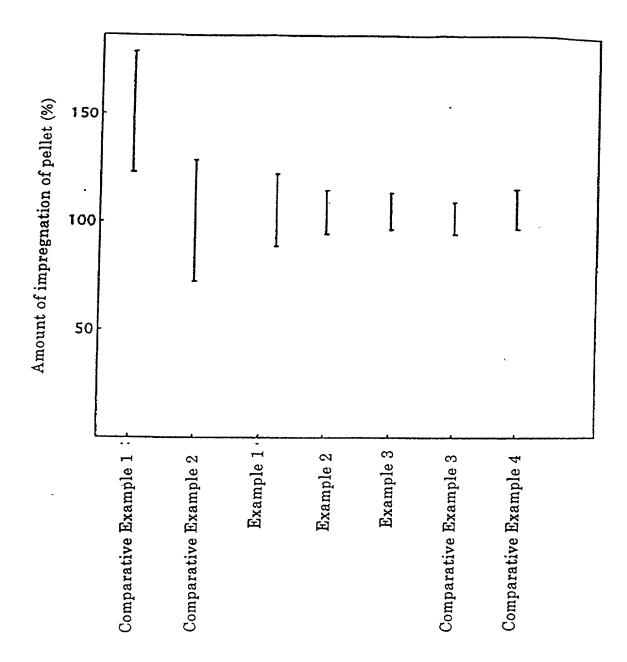


Fig. 14